

## **MAGNETORESISTIVE HEAD AND MANUFACTURING METHOD THEREOF**

### **ABSTRACT OF THE DISCLOSURE**

A magnetoresistive head in which a pinned layer comprises two films, i.e., a ferromagnetic film A and a ferromagnetic B anti-ferromagnetically coupled to each other and a anti-ferromagnetic coupling film for separating the two ferromagnetic films A and B, where the coercivity of the ferromagnetic film alone is 200 (Oe) or more and the coercivity of the ferromagnetic film alone is 20 (Oe) or less. The compositions for the ferromagnetic film A and the ferromagnetic film B, when expressed by  $\text{Co}_{100-Y}\text{Fe}_Y$  (at%) are: ferromagnetic film A:  $80 \geq Y \geq 40$ , and ferromagnetic film B:  $20 \geq Y \geq 0$ , where the material for the film in contact with the ferromagnetic film A is Ru, Ta, NiFeCr, Cu or NiFe.

(FIG. 1)

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